**Synata Bio, Inc.**

**Company Overview**

- **Synata is the Premiere High Efficiency GTL Platform**
  - Novel, simple and efficient gas-to-liquids (GTL) technology for converting syngas to products
  - Syngas input harmonizes all feedstocks (natural gas, coal, H₂, biomass, MSW), making the technology truly feedstock agnostic
  - Proprietary, non-GMO biocatalysts coupled with proven and scalable fermentation design

- **Key Advantages**
  - Single step fermentation process for converting gas to liquids
  - Process produces target chemical products at high purity
  - Technology has 88% carbon utilization and 58% BTU efficiency
  - Sustainable cost advantage versus all incumbents commercially practiced technologies
  - Ability to economically build a range of production scales while leveraging the best regionally available feedstocks

- **Product Portfolio Positioned to Address a Number of Drop-In Chemical and Fuel Markets**
  - Technology initially directed to producing primary alcohols
  - Ethanol: $56+ billion global market
  - Butanol: $6+ billion global market

**Company Snapshot**

- Headquartered in suburb of Chicago, IL
- Core competencies include microbiology, reactor design, process design and engineering
- 50 patent families, 71 granted patents, 74 pending applications
- > 50 trade secrets
- Over 35 employees, >70% with advanced degrees
- Company is well capitalized

**Management**

- Operating Committee: TNVP Partners
  - Andrew Meyer, Chief Commercial Officer
  - Stephen Toon, VP Engineering & Ops

**Investor**

- Founded by Mike Ahearn
  - Co-Founder of First Solar

**Proven Platform Ready for Commercialization**

**Built and Successfully Operated Demonstration Facility**

- Facility proved ability to produce on-spec product
- Produced ethanol and n-butanol from an array of feedstocks with over 15,000 hours of recorded operation
- Robust industry standard scale-up of the planned syngas fermentation process, which significantly reduces risks with commercialization
- Fully-tested, successfully-proven platform capable of immediate commercialization

**Hugoton will be Showcase Commercial Facility using Natural Gas**

**Proprietary Production Process**

1. **Syngas Production and Conditioning**
   - Commercial reformers or gasifiers convert feedstock into syngas

2. **Syngas Conversion using Proprietary Micro-Organisms**
   - Micro-organisms use specialized metabolic pathways to convert syngas to desired end products in a single step. Synata’s bioreactors operate at low pressure and temperature, with no moving parts, resulting in low operating and capital costs

3. **Production Separation**: Desired end product is efficiently separated from the fermentation broth via commercially-available distillation technology

**Robust Technology Platform**

- Synata’s continuous process efficiently utilizes carbon and energy to underpin superior economic performance
- Well positioned to exploit the crude oil to natural gas arbitrage in a simple and cost-effective plant design with fast deployment and timely execution enabled by technology intensification and standardization